

CLAIMS

1. (Currently Amended) A lid for a can body comprising:
a center panel having a central axis that is perpendicular to a diameter of the outer rim of said lid;
a reinforcing bead extending radially outward from the periphery of the center panel;
a ~~nonlinear~~ chuckwall having a first end and a second end, wherein the chuckwall is between the first and second ends, wherein ~~said the~~ first end of the chuckwall is connected to the reinforcing bead, and wherein a line passing through the first and second ends of ~~said the~~ chuckwall is at an angle with respect to ~~said the~~ central axis of the center panel of from about 20° to about 80°, the chuckwall being nonlinear prior to and at least immediately after seaming; and
a peripheral curl portion having a height less than 0.091 inches extending from ~~said the~~ chuckwall, wherein the diameter of the center panel is less than 80% of the diameter of the peripheral curl portion.
2. (Currently Amended) The can lid according to claim 1 wherein a line passing through the first and second ends of ~~said the~~ chuckwall is at an angle with respect to ~~said the~~ central axis of the center panel of from about 30° to about 60°.
3. (Currently Amended) The can lid according to claim 1 wherein a line passing through the first and second ends of ~~said the~~ chuckwall is at an angle with respect to ~~said the~~ central axis of the center panel of from about 40° to about 50°.
4. (Currently Amended) The can lid according to claim 1 wherein the height of ~~said the~~ peripheral curl portion is from about 0.04 to about 0.09 inches.
5. (Currently Amended) The can lid according to claim 1 further comprising a transitional portion extending radially outward from ~~said the~~ chuckwall, wherein the peripheral curl portion extends radially outward from ~~said the~~ transitional portion.

6. (Currently Amended) The can lid according to claim 1 wherein ~~said~~ the center panel is substantially flat or planar.

7. (Currently Amended) The can lid according to claim 1 wherein ~~said~~ the center panel is arcuate.

8-9. (Cancelled)

10. (Currently Amended) The can lid according to claim 1 further comprising a step portion extending radially outward from ~~said~~ the chuckwall.

11. (Currently Amended) The can lid according to claim 10 wherein ~~said~~ the step portion is arcuate.

12. (Currently Amended) The can lid according to claim 11 wherein ~~said~~ the arcuate step portion has a radius of curvature of from about 0.02 to about 0.06 inches, the center-point of ~~said~~ the radius being located above the profile of ~~said~~ the lid.

13. (Currently Amended) The can lid according to claim 10 wherein ~~said~~ the chuckwall is an arcuate chuckwall.

14. (Currently Amended) The can lid according to claim 13 wherein a line passing through the first and second ends of ~~said~~ the arcuate chuckwall is at an angle with respect to ~~said~~ the central axis of the center panel of from about 30° to about 60°.

15. (Currently Amended) The can lid according to claim 13 wherein a line passing through the first and second ends of ~~said~~ the arcuate chuckwall is at an angle with respect to ~~said~~ the central axis of the center panel of from about 40° to about 50°.

16. (Currently Amended) The can lid according to claim 13 wherein said the arcuate chuckwall has a radius of curvature of from about 0.4 to about 1 inch, the center-point of said the radius located below the profile of said the lid.

17. (Currently Amended) The can lid according to claim 1 wherein said the annular countersink has a height of from about 0.030 to about 0.115 inches.

18. (Currently Amended) The can lid of claim 17 wherein said the chuckwall is an arcuate chuckwall having a radius of curvature of from about 0.4 to about 1 inch, the center-point of said the radius being located below the profile of said the lid.

19. (Currently Amended) The can lid of claim 17 further comprising a step portion extending radially outward from said the chuckwall.

20. (Currently Amended) The can lid according to claim 19 wherein said the chuckwall is an arcuate chuckwall.

21. – 26. (Canceled)

27. (Currently Amended) The can lid according to claim 1 wherein said the reinforcing bead is an annular countersink.

28. (Currently Amended) The can lid according to claim 1 wherein said the reinforcing bead is an annular fold.

29. (Currently Amended) The can lid according to claim 28 wherein said the annular fold is an isocline fold.

30. (Currently Amended) A lid for a can body comprising:
a center panel having a central axis that is coaxial with the longitudinal axis of the can body;

a first member having an interior wall, a curved bottom portion and an outer wall, wherein the interior wall is joined to the center panel at its upper edge and the height of the interior wall is greater than or equal to the height of the outer wall;

a second member, ~~that is nonlinear~~, extending radially outward from an upper portion of ~~said the~~ outer wall, the second member having a first end and a second end, wherein a line passing through the ends of ~~said the~~ second member is at an angle with respect to ~~said the~~ central axis of the center panel of from about 20° to about 80°, wherein the vertical-cross section forms a first curve that is comprised of a plurality of second curves, wherein the second member is nonlinear between the first and second ends, and wherein the second member is nonlinear prior to and at least immediately after seaming; and

a peripheral curl portion extending radially outward from ~~said the~~ second member, wherein the diameter of the center panel is less than 80% of the diameter of the peripheral curl portion.

31-34. (Cancelled)

35. (Currently Amended) The lid of Claim 30, wherein the second curves comprise lines.

36-40. (Cancelled)

41. (Currently Amended) A lid for a can body comprising:

a center panel having a central axis that is perpendicular to a diameter of the outer rim of ~~said the~~ lid;

a fold extending radially outward from the periphery of the center panel;

a ~~nonlinear~~ chuckwall having a first end and a second end, wherein the chuckwall is the first and second end, wherein ~~said the~~ first end of the chuckwall is connected to the reinforcing bead, and wherein a line passing through the first and second ends of ~~said the~~ chuckwall is at an angle with respect to ~~said the~~ central axis of the center panel of from about 20° to about 80°; and

a peripheral curl portion having a height less than 0.091 inches extending from ~~said the~~ chuckwall, wherein the diameter of the center panel is less than 80% of the diameter of the peripheral curl portion.

42. (Currently Amended) The can lid according to claim 41 wherein a line passing through the first and second ends of ~~said~~ the chuckwall is at an angle with respect to ~~said~~ the central axis of the center panel of from about 30° to about 60°.

43. (Currently Amended) The can lid according to claim 41 wherein a line passing through the first and second ends of ~~said~~ the chuckwall is at an angle with respect to ~~said~~ the central axis of the center panel of from about 40° to about 50°.

44. (Currently Amended) The can lid according to claim 41 wherein ~~said annular~~ the fold is an isocline fold.